



US00D903847S

(12) **United States Design Patent** (10) **Patent No.:** **US D903,847 S**
Hernandez et al. (45) **Date of Patent:** **** Dec. 1, 2020**

(54) **AIR PURIFIER**
(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)
(72) Inventors: **Alonso M. Hernandez**, St. Paul, MN (US); **Brian D. Gale**, Blaine, MN (US); **Nicolas A. Echeverri**, Woodbury, MN (US)
(73) Assignee: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)

D827,799 S * 9/2018 Shin D23/364
D835,248 S * 12/2018 Echeverri D23/364
D835,249 S * 12/2018 Echeverri D23/365
D835,765 S * 12/2018 Chen D23/364
D841,140 S * 2/2019 Chen D23/336
D841,783 S * 2/2019 Hu
D852,344 S * 6/2019 Hua D23/364
D853,544 S * 7/2019 Vu D23/364
D861,145 S * 9/2019 Fang D23/333
D876,599 S * 2/2020 He D23/364
D877,873 S * 3/2020 Pan D23/364
D878,530 S * 3/2020 Pan D23/364

* cited by examiner

(**) Term: **15 Years**

Primary Examiner — David G Muller

(21) Appl. No.: **29/685,244**

(74) *Attorney, Agent, or Firm* — Irina Hass; Kevin W. Weber

(22) Filed: **Mar. 27, 2019**

(51) **LOC (12) Cl.** **23-04**

(57) **CLAIM**

(52) **U.S. Cl.**
USPC **D23/364**

The ornamental design for an air purifier, as shown and described.

(58) **Field of Classification Search**
USPC D23/355–366, 352, 369, 332, 333, 335, D23/336, 342, 351; 422/120, 122; 55/356, 473, 504; 96/97; 261/DIG. 17, 261/DIG. 65, DIG. 88, DIG. 31
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D 47/027; B01D 2221/02; B01D 2259/4508; B03C 3/155; B03C 3/368; F24F 3/16; F24F 13/20; F24F 13/28; F24F 2001/0096

DESCRIPTION

FIG. 1 is a perspective view showing the new design for an air purifier;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

See application file for complete search history.

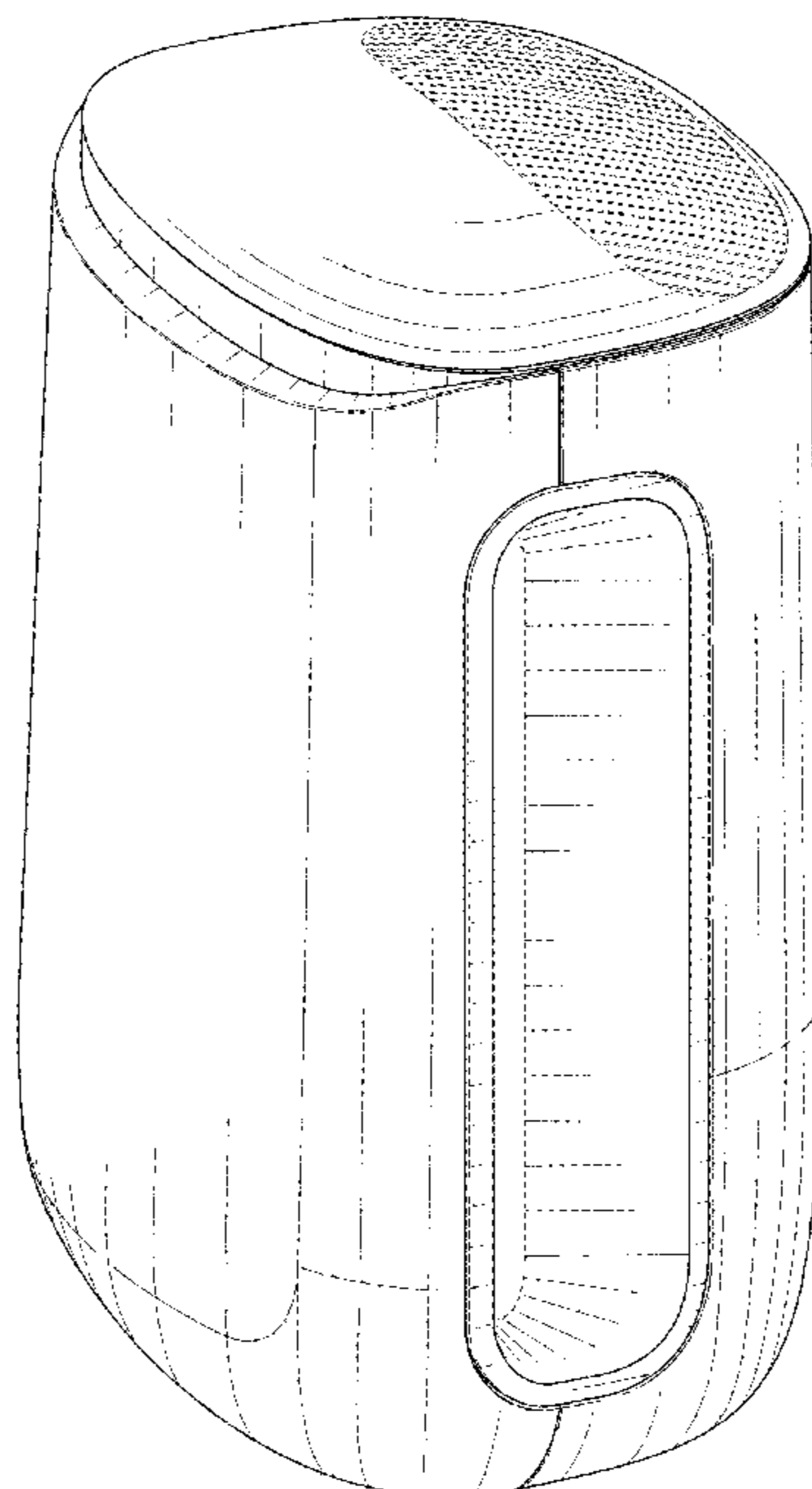
The portions of the air purifier in FIGS. 1, 3-6 shown in broken lines are included to show features that form no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D683,439 S * 5/2013 Choi D23/364
D810,906 S * 2/2018 Yoon D23/364

1 Claim, 7 Drawing Sheets



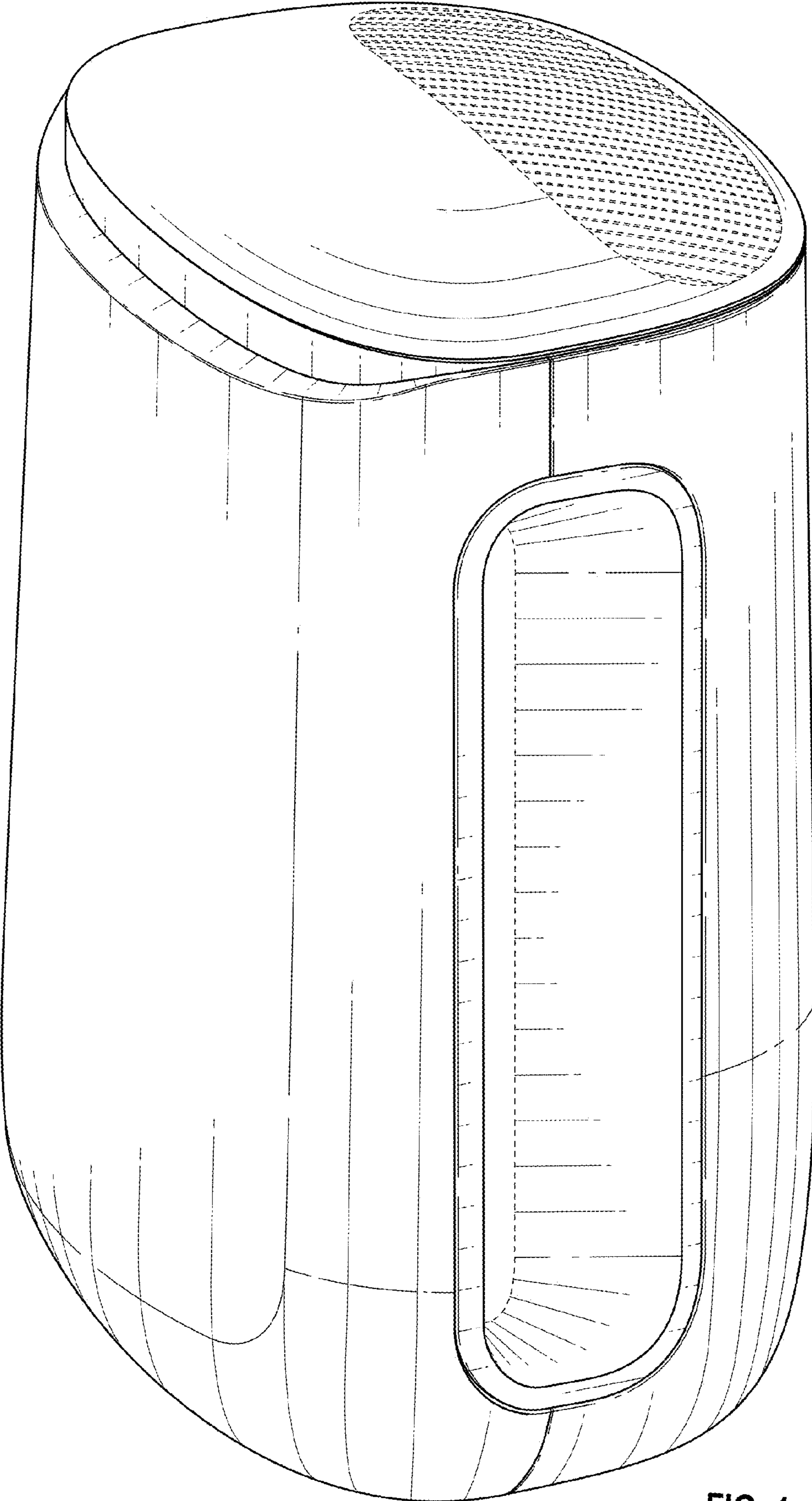


FIG. 1

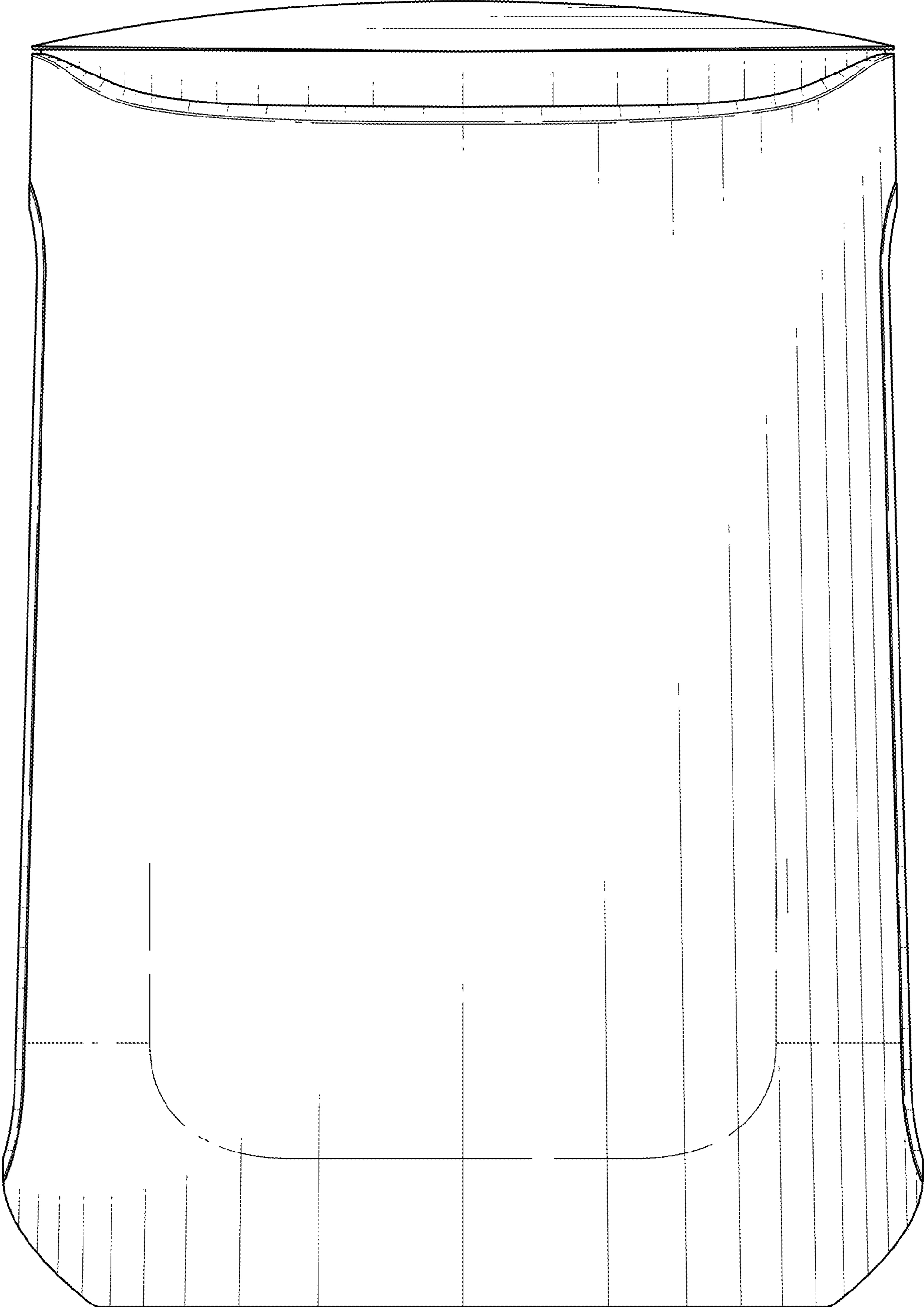


FIG. 2

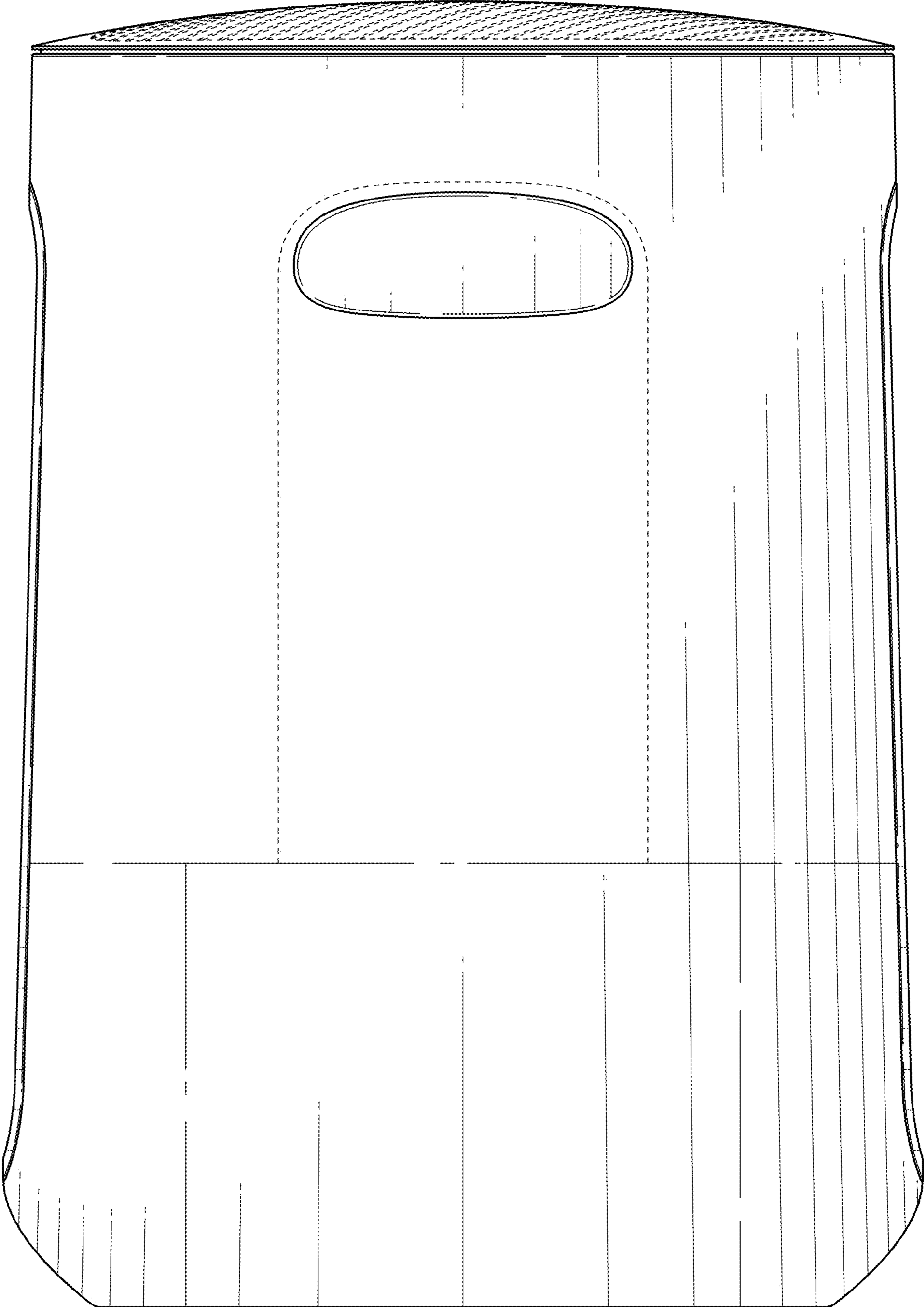


FIG. 3



FIG. 4

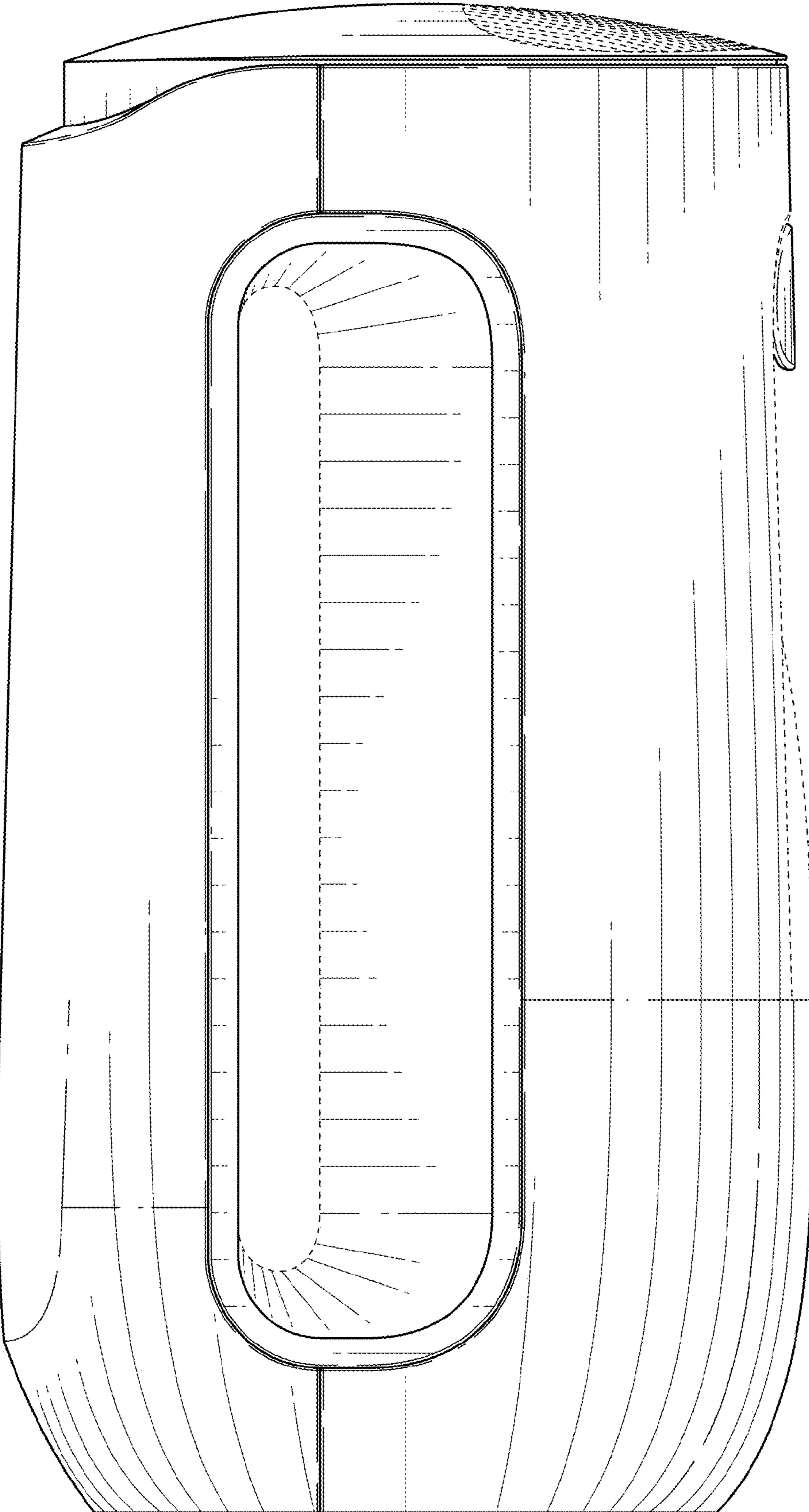


FIG. 5

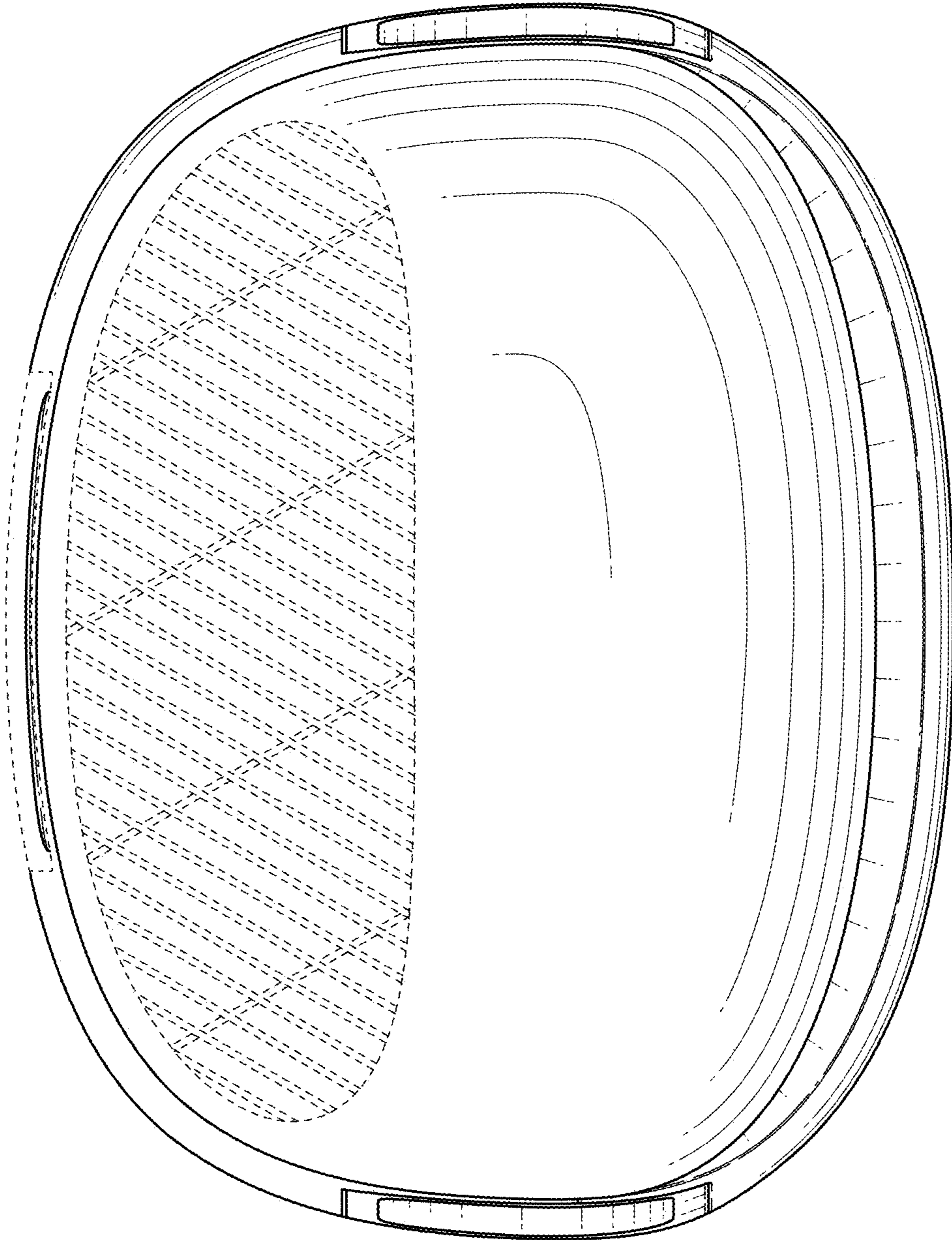


FIG. 6

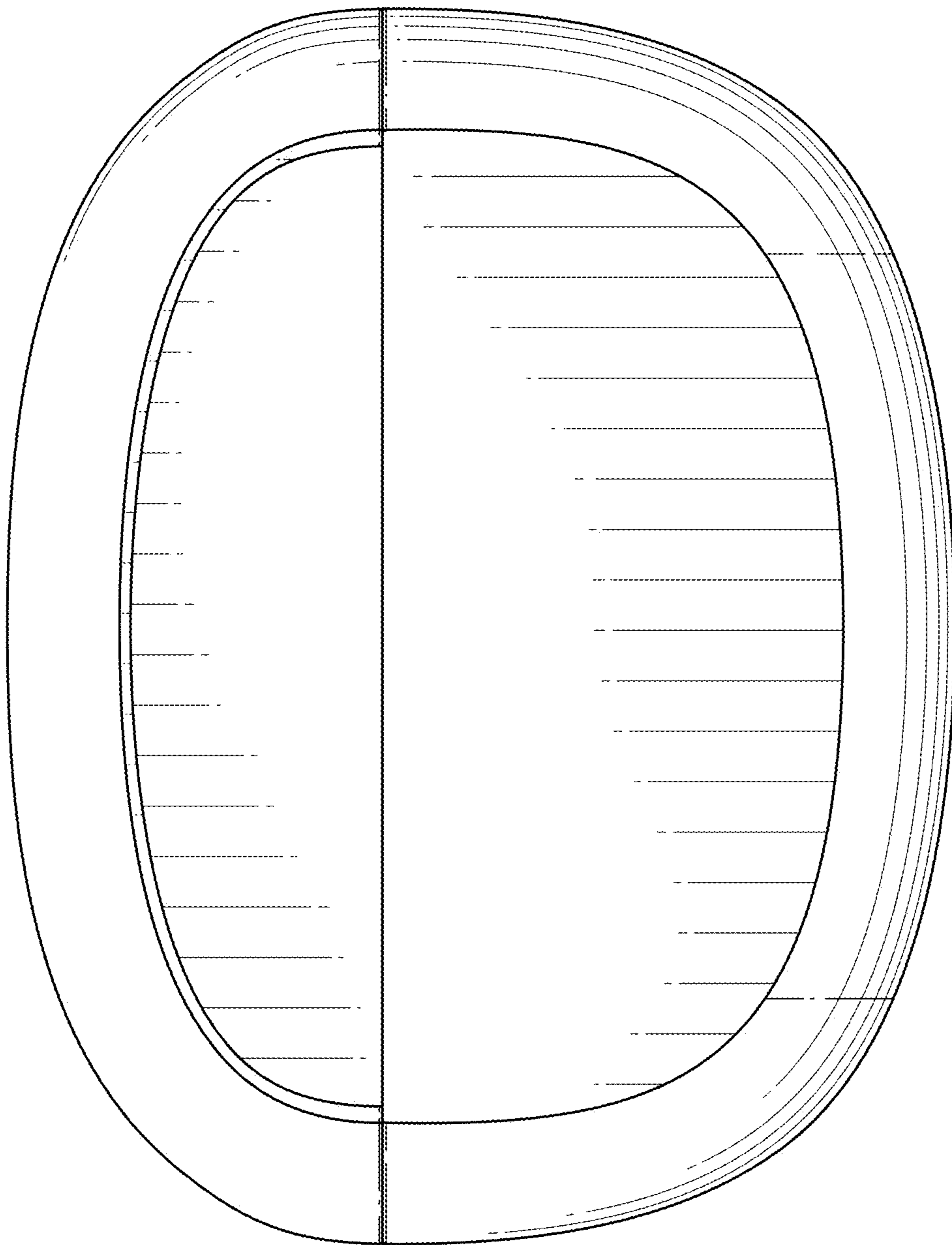


FIG. 7